

U. S. DEPARTMENT OF COMMERCE
(Modified) PATENT AND TRADEMARK OFFICE
INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
(Use several sheets if necessary)

FORM PTO-149, U. S. DEPARTMENT OF COMMERCE (Modified) PATENT AND TRADEMARK OFFICE INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)	ATTY. DOCKET NO. 5882.02	SERIAL NO. 10/045,953
	APPLICANT: J. E. W. CACKA et al.	
	FILING DATE: December 12, 2002	GROUP 1744

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
94	1,313,490	08/19/19	Larson	—	—	
TT	1,355,037	10/05/20	Dziuk	—	—	
TT	1,517,320	12/02/24	Stoddart	—	—	
TT	1,703,642	2/26/29	Sticht	—	—	
TT	1,832,519	11/17/31	Wheat et al.	—	—	
94	2,016,597	10/08/35	Drake	—	—	
TT	2,044,863	06/23/36	Sticht	—	—	
TT	2,158,738	05/16/39	Baker et al.	—	—	
TT	2,206,726	07/02/40	Lasater	—	—	
45	2,246,523	06/24/41	Kulik	—	—	
TT	2,278,365	03/31/42	Daniels	—	—	
TT	2,282,700	05/12/42	Bobroff	—	—	
TT	2,709,227	05/24/55	Foley et al.	—	—	
TT	2,734,139	02/07/56	Murphy	—	—	
TT	2,806,235	09/17/57	Carstairs et al.	—	—	
945	2,875,458	03/03/59	Tsuda	—	—	
TT	2,917,758	12/22/59	Held et al.	—	—	
TT	2,931,371	4/5/60	Petitta	—	—	
TT	2,977,614	04/04/61	Demanuele	—	—	
TT	3,104,405	09/24/63	Perrinjaquet	—	—	
TT	3,106,216	10/8/63	Kirby	—	—	
TT	D-197,048	12/1963	Troy	—	—	
TT	3,145,404	08/25/64	Fiedler	—	—	
45	D-199,560	11/1964	Thompson	—	—	
94	3,159,859	12/08/64	Rasmussen	—	—	
94	D-199,893	12/1964	Bond et al.	—	—	
TT	3,183,538	05/18/65	Hubner	—	—	
TT	D-202,873	11/1965	Husted	—	—	
94	D-204,127	3/1966	Syvertson	—	—	
TT	3,270,416	9/6/66	Massa	—	—	
TT	3,316,576	05/02/67	Urbrush	—	—	
TT	3,335,443	8/15/67	Parisi et al.	—	—	
94	3,346,748	10/10/67	McNair	—	—	
94	3,358,309	12/19/67	Richardson	—	—	
TT	3,375,820	4/2/68	Kuris et al.	—	—	
TT	3,430,279	03/04/69	Hintze	—	—	
TT	3,466,689	09/16/69	Aurelio et al.	—	—	
TT	3,472,045	10/14/69	Nelsen et al.	—	—	
TT	3,472,247	4/14/69	Borsum et al.	—	—	
TT	3,474,799	10/28/69	Cappello	—	—	
TT	3,535,726	10/27/70	Sawyer	—	—	

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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TTT	3,538,359	11/03/70	Barowski	—	—	
TTT	3,552,022	1/5/71	Axelsson	—	—	
TTT	3,559,292	2/2/71	Weissman	—	—	
TTT	3,563,233	2/16/71	Bodine	—	—	
TTT	3,588,936	6/29/71	Duve	—	—	
TTT	3,642,344	02/15/72	Corker	—	—	
TTT	3,651,576	03/28/72	Massa	—	—	
TTT	3,660,902	5/9/72	Axelsson	—	—	
TTT	3,672,378	6/27/72	Silverman	—	—	
TTT	3,676,218	07/11/72	Sawyer	—	—	
TTT	3,759,274	9/18/73	Warner	—	—	
TTT	3,760,799	9/25/73	Crowson	—	—	
TTT	3,809,977	5/7/74	Balamuth et al.	—	—	
TTT	3,831,611	8/27/74	Hendricks	—	—	
TTT	3,840,932	10/15/74	Balamuth et al.	—	—	
TTT	3,882,364	05/06/75	Wright et al.	—	—	
TTT	3,902,510	9/2/75	Roth3	—	—	
TTT	3,903,601	9/9/75	Anderson et al.	—	—	
TTT	3,967,617	7/6/76	Krolik	—	—	
TTT	3,978,852	9/7/76	Annoni	—	—	
TTT	3,980,906	9/14/76	Kuris et al.	—	—	
TTT	4,004,344	1/25/77	Gold et al.	—	—	
TTT	4,005,722	2/1/77	Bragg	—	—	
TTT	4,008,728	2/22/77	Sanchez	—	—	
TTT	4,019,522	4/26/77	Elbreder	—	—	
TTT	4,048,723	9/20/77	Thorup	—	—	
TTT	4,064,883	12/27/77	Oldham	—	—	
TTT	4,133,339	1/9/79	Naslund	—	—	
TTT	4,177,434	12/04/79	Ida	—	—	
TTT	4,192,035	3/11/80	Kuris	—	—	
TTT	4,205,664	6/3/80	Baccialon	—	—	
TTT	4,219,619	8/26/80	Zarow	—	—	
TTT	4,235,253	11/25/80	Moore	—	—	
TTT	4,255,693	03/10/81	Keidl	—	—	
TTT	Re. 30,536	3/3/81	Perdreaux, Jr.	—	—	
TTT	4,271,382	06/02/81	Maeda et al.	—	—	
TTT	4,271,384	06/02/81	Beiling et al.	—	—	
TTT	4,275,363	06/23/81	Mishiro et al.	—	—	
TTT	4,289,486	9/15/81	Sargeant	—	—	
TTT	4,307,740	12/29/81	Florindez et al.	—	—	
TTT	4,319,377	3/16/82	Tarrson et al.	—	—	
TTT	4,319,595	3/16/82	Ulrich	—	—	
TTT	4,326,547	4/27/82	Verplank	—	—	
TTT	4,326,548	4/27/82	Wagner	—	—	
TTT	4,331,422	05/25/82	Heyman	—	—	
TTT	4,333,197	6/8/82	Kuris	—	—	
TTT	4,338,957	7/13/82	Meibauer	—	—	
TTT	D-265,515	7/20/82	Levin	—	—	



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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
418	4,347,839	9/7/82	Youngclaus, Jr.	—	—	
421	4,353,141	10/1982	Teague, Jr. et al.	—	—	
420	4,381,478	04/26/83	Saijo et al.	—	—	
420	4,395,665	07/26/83	Buchas	—	—	
420	4,397,327	8/9/83	Hadary	—	—	
420	D-272,565	2/7/84	Levine	—	—	
420	4,429,997	02/07/84	Matthews	—	—	
420	4,432,729	02/1984	Fattaleh	—	—	
420	4,434,806	3/6/84	Givens	—	—	
420	4,458,702	7/10/84	Grollimund	—	—	
420	4,505,678	3/19/85	Andersson	—	—	
420	4,522,355	06/11/85	Moran	—	—	
420	4,562,413	12/31/85	Mishiro et al.	—	—	
420	4,564,794	01/14/86	Kilen et al.	—	—	
420	4,576,190	3/18/86	Youssef	—	—	
420	4,577,649	3/25/86	Shimenkov	—	—	
420	4,605,025	8/12/86	McSpadden	—	—	
420	4,608,019	8/26/86	Kumabe et al	—	—	
420	4,617,718	10/21/86	Andersson	—	—	
420	4,634,376	1/6/87	Mossie et al	—	—	
420	4,698,869	10/13/87	Mierau et al.	—	—	
420	D-294,885	03/29/1988	Mollenhoff	—	—	
420	4,787,847	11/29/88	Martin et al.	—	—	
420	4,791,940	12/20/88	Hirschfeld et al.	—	—	
420	4,811,445	3/14/89	Lagieski et al	—	—	
420	4,820,153	4/11/89	Romhild et al	—	—	
420	4,820,154	4/11/89	Romhild et al.	—	—	
420	4,832,063	5/23/89	Smole	—	—	
420	D301,770	6/20/89	Bethany	—	—	
420	4,871,396	10/03/89	Tsujita et al.	—	—	
420	4,873,496	10/10/89	Ohgihara et al.	—	—	
420	4,880,382	11/14/89	Moret et al.	—	—	
420	4,887,052	12/12/89	Murakami et al.	—	—	
420	4,913,133	4/3/90	Tichy	—	—	
420	4,922,936	5/8/90	Buzzi et al.	—	—	
420	4,991,249	02/12/91	Suroff	—	—	
420	4,995,403	2/26/91	Beckman et al.	—	—	
420	5,000,684	3/19/91	Odrich	—	—	
420	5,002,487	3/26/91	Tichy	—	—	
420	5,016,660	5/21/91	Boggs	—	—	
420	5,050,625	9/24/91	Siekmann	—	—	
420	D-321,285	11/05/1991	Hirabayashi	—	—	
420	5,067,223	11/26/91	Bruno	—	—	
420	5,069,621	12/3/91	Paradis	—	—	
420	5,071,348	12/10/91	Woog	—	—	
420	5,072,477	12/1991	Pai	—	—	
420	5,094,256	3/10/92	Barth	—	—	
420	5,095,470	03/10/92	Oka et al.	—	—	



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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TA	5,100,321	3/31/92	Coss et al.	—	—	
TA	5,123,841	6/23/92	Millner	—	—	
TA	5,125,837	6/30/92	Warrin et al.	—	—	
TA	5,133,661	7/28/92	Euvrard	—	—	
TA	5,138,733	8/18/92	Bock	—	—	
TA	5,150,492	09/29/92	Suroff	—	—	
TA	5,165,131	11/24/92	Staar	—	—	
TA	5,169,313	12/8/92	Kline	—	—	
TA	5,170,809	12/15/92	Imai et al.	—	—	
TA	5,174,314	12/29/92	Charatan	—	—	
TA	5,180,363	01/19/93	Idemoto et al.	—	—	
TA	5,183,063	2/2/93	Ringle et al.	—	—	
TA	5,189,751	03/02/93	Giuliani et al.	—	—	
TA	5,198,732	03/30/93	Morimoto	—	—	
TA	5,224,500	7/6/93	Stella	—	—	
TA	5,226,206	07/13/93	Davidovitz et al.	—	—	
TA	5,236,358	8/17/93	Sleffert	—	—	
TA	5,247,716	9/28/93	Bock	—	—	
TA	5,253,382	10/19/93	Beny	—	—	
TA	5,261,430	11/1993	Mochel	—	—	
TA	5,263,218	11/23/93	Giuliani et al.	—	—	
TA	5,289,604	3/1994	Kressner	—	—	
TA	5,293,886	3/15/94	Czapor	—	—	
TA	5,294,896	03/15/94	Kjellander, deceased et al.	—	—	
TA	5,305,492	04/26/94	Giuliani et al.	—	—	
TA	5,309,590	05/10/94	Giuliani et al.	—	—	
TA	5,311,632	05/17/94	Center	—	—	
TA	5,323,796	6/28/94	Urso	—	—	
TA	5,341,534	08/30/1994	Serbinski et al.	—	—	
TA	5,369,831	12/16/94	Bock	—	—	
TA	5,378,153	01/03/95	Giuliani et al.	—	—	
TA	5,383,242	01/24/95	Bigler et al.	—	—	
TA	5,393,229	2/28/95	Ram	—	—	
TA	5,404,608	4/1995	Hommann	—	—	
TA	5,406,664	4/1995	Hukuba	—	—	
TA	5,406,965	4/18/95	Levine	—	—	
TA	D-358,713	5/1995	Perry	—	—	
TA	5,411,041	5/2/95	Ritter	—	—	
TA	5,412,827	05/09/1995	Muller et al.	—	—	
TA	5,419,346	5/30/95	Tipp	—	—	
TA	5,419,703	5/30/95	Warrin et al.	—	—	
TA	5,467,494	11/21/1995	Muller et al.	—	—	
TA	5,482,466	1/9/96	Haynes	—	—	
TA	5,496,256	3/5/96	Bock et al.	—	—	
TA	D370,125	5/28/96	Craft et al.	—	—	
TA	5,546,624	8/20/96	Bock	—	—	
TA	5,573,020	11/12/96	Robinson	—	—	



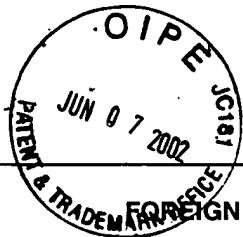
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EXAMINER INITIAL	PATENT NUMBER	ISSUE DATE	PATENTEE	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
TS	5,579,786	12/3/96	Wolk et al.	-	-	
YH	5,606,984	3/4/97	Gao	-	-	
YH	5,613,259	03/25/97	Craft et al.	-	-	
YH	5,618,275	4/8/97	Bock	-	-	
YH	5,697,117	12/16/1997	Craft	-	-	
YH	D-382,407	08/19/1997	Craft et al.	-	-	
YH	5,700,146	12/23/97	Kucar	-	-	
YH	5,709,233	1/20/98	Boland et al.	-	-	
YH	5,718,667	2/17/98	Sugimoto et al.	-	-	
YH	5,738,575	4/14/98	Bock	-	-	
YH	5,787,908	8/4/98	Robinson	-	-	
YH	5,827,064	10/27/98	Bock	-	-	
YH	5,855,216	1/5/99	Robinson	-	-	
YH	5,896,615	04/27/99	Zaksenberg	-	-	
YH	5,899,693	5/4/99	Hirneno et al.	-	-	
YH	D-410,787	06/08/1999	Barre et al.	-	-	
YH	5,927,300	7/27/99	Boland et al.	-	-	
YH	5,931,170	8/3/99	Wu	-	-	
YH	5,944,033	8/31/99	Robinson	-	-	
YH	6,000,083	12/14/1999	Blaustein et al.	-	-	
YH	6,035,476	03/14/2000	Underwood et al.	-	-	
YH	D-423,784	05/02/2000	Joulin	-	-	
YH	6,095,811	8/1/00	Stearns	-	-	

FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
YH	243224	4/10/10	Germany	-	-		
YH	429447	9/22/11	France	-	-		
YH	1,171,337	01/23/59	France	-	-		
YH	899,618	06/27/62	France	-	-		
YH	435,553	10/31/67	Switzerland	-	-		
YH	33,753	03/29/78	Japan	-	-		
YH	609,238	02/28/79	Switzerland	-	-		
YH	DE 17 66 651 C2	12/3/81	Germany	-	-		
YH	3431481	2/1986	Germany	-	-		
YH	8626725	5/21/87	Germany	-	-		
YH	DE 37 36 308 A1	7/27/89	Germany	-	-		
YH	0 354 352	2/1990	EPO	-	-		
YH	DE 41 42 404 C2	7/2/91	Germany	-	-		
YH	WO 91/19437	12/26/91	PCT	-	-		
YH	WO 92/10146	06/25/92	PCT	-	-		
YH	WO 92/16160	10/01/92	PCT	-	-		
YH	WO 93/15628	08/19/93	PCT	-	-		



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FOREIGN PATENT OR PUBLISHED FOREIGN PATENT APPLICATION

	DOCUMENT NUMBER	PUBLISHED DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
✓	DE 42 23 195 A1	1/20/94	Germany	—	—		
✓	DE 42 23 196 A1	1/20/94	Germany	—	—		
✓	DE 42 26 659 A1	2/1994	Germany	—	—		
✓	WO 94/04093	3/1994	WIPO	—	—		
✓	DE 43 09 078 A1	9/1994	Germany	—	—		
✓	EP O 661 025 B1	7/5/95	EPO	—	—		
✓	WO 95/33419	12/14/1995	PCT	—	—		
✓	WO 95/02375	1/26/95	PCT	—	—		
✓	DE 297 15 234 U1	12/4/97	Germany	—	—		
✓	WO 01/28452 A1	04/26/01	PCT	—	—		
✓	WO 01/45582 A1	6/28/01	PCT	—	—		

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	Sonex International: Brushing with the Ultima- The World's Only Dual-Frequency Ultrasonic Toothbrush, July 28, 1999, published at Sonipic.com.
✓	Teledyne Water Pik "Plaque Control 3000" plaque removal instrument (Jul. 1991).
✓	American Dentronics Incorporated "Soniplak" sonic plaque removal system (May 1993).
✓	Design of a Toothbrush, page 361, Danish Official Design Gazette, published 5/16/1997.
✓	Teledyne Water Pik "Sensonic" Toothbrush, sales brochure (at least as early as Sep. 1994).

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✓ Oneene will

DATE CONSIDERED

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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.